

Claims

What is claimed is

1. A phase shifted binary transmission encoder with a data input and a data
5 output, where the phase shifted binary transmission encoder includes an
exclusive or gate having two inputs and an output, the output of the
exclusive or gate being the output of the phase shifted binary transmission
encoder, where one input of the exclusive or gate is connected with the
output via a first flip-flop and the other input of the exclusive or gate is
10 connected with the data input via a second flip-flop, both flip-flops being
connected with a clock input, wherein the flip-flops are transparent D flip-
flops.
2. A phase modulator comprising the phase shifted binary transmission
15 encoder according to claim 1.
3. An optical network element comprising a phase modulator according to
claim 2 for phase shaped binary transmission.

20